

Validated Data for SDG's 87, 90,  
and 92 of the Camp Edwards Impact  
Area Groundwater Study

Massachusetts Military Reservation  
Cape Cod, Massachusetts

Ogden Environmental and Energy Services  
September 1998



**VALIDATED DATA FOR SDGs 87, 90, AND 92**

**OF THE  
CAMP EDWARDS  
IMPACT AREA GROUNDWATER STUDY**

**MASSACHUSETTS MILITARY RESERVATION  
CAPE COD, MASSACHUSETTS**

**Prepared for**

**NATIONAL GUARD BUREAU  
ARLINGTON, VIRGINIA**

**Prepared by**

**OGDEN ENVIRONMENTAL AND ENERGY SERVICES  
239 Littleton Road, Suite 1B  
Westford, Massachusetts 01886**

#258  
September 1998

**QUALIFICATION CODE REFERENCE TABLE**

<b>Qualifier</b>	<b>Organics</b>	<b>Inorganics</b>
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D were noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) or calibration blank.
L	Not applicable.	Laboratory Control Sample %R were not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
E	Not applicable.	Duplicates showed poor agreement.
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D were not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive - reported compound was not present.	Not applicable.
-	False negative - compound was present but not reported.	Not applicable.
F	Presumed contamination from FB or ER.	Presumed contamination from FB or ER.
\$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Post Digestion Spike recovery was not within control limits.
**#	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 1, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

**DATA QUALIFIER REFERENCE TABLE**

<b>Qualifier</b>	<b>Organics</b>	<b>Inorganics</b>
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	The associated value is an estimated quantity.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."	Not applicable.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet quality control criteria. The presence or absence of the analyte cannot be verified.	The data are unusable. (Note: Analyte may or may not be present).

## MMR LABORATORY DATA

EPA NO	B02JBA	B05ABA	B05ABD	B05BBA	B05BBARE				
OGDEN ID	B02JBAA	B05ABAA	B05ABDA	B05BBAA	B05BBAAa				
Date Sampled	7/1/98	7/2/98	7/2/98	7/2/98					
Operational Unit	AREA 02 1.5-2'		AREA 05 1.5-2'		?				
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL
OM31V (UG/KG)									
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	UJ C	UJ C	12.00 U	UJ C	UJ C	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	UJ C	UJ C	12.00 U	UJ C	UJ C	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	UJ C	UJ C	12.00 U	UJ C	UJ C	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
	1,1,1-TRICHLOROETHANE	11.00 U	U	U	12.00 U	U	U	12.00 U	U
CARBON TETRACHLORIDE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
BROMODICHLOROMETHANE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
1,2-DICHLOROPROPANE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
CIS-1,3-DICHLOROPROPENE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TRICHLOROETHYLENE (TCE)	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
DIBROMOCHLOROMETHANE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
1,1,2-TRICHLOROETHANE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
BENZENE	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
TRANS-1,3-DICHLOROPROPEN	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
BROMOFORM	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U
METHYL ISOBUTYL KETONE (4	11.00 U	U	U	12.00 U	U	U	12.00 U	U	U

## MMR LABORATORY DATA

EPA NO	B02JBA	B05ABA	B05ABD	B05BBA	B05BBARE							
OGDEN ID	B02JBAA	B05ABAA	B05ABDA	B05BBAA	B05BBAA							
Date Sampled	7/1/98	7/2/98	7/2/98	7/2/98								
Operational Unit	AREA 02 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	?							
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL			
OM31V (UG/KG) Continued												
2-HEXANONE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
TETRACHLOROETHYLENE(PCE)	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
TOLUENE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
CHLOROBENZENE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
ETHYLBENZENE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
STYRENE	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U
XYLENES, TOTAL	11.00 U	U	U	12.00 U	U	U	12.00 U	R	R	12.00 U	U	U

# Volatiles, Soil

## MMR LABORATORY DATA

EPA NO	B05CBA	B05DBA	B05DBD	B05EBA	B05FBA
OGDEN ID	B05CBAa	B05DBAa	B05DBD	B05EBAa	B05FBAa
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98	7/2/98
Operational Unit	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'
Method	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE	LAB QUAL CODE
Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	QUAL CODE	LAB QUAL CODE
<b>OM31V (UG/KG)</b>					
CHLOROMETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
BROMOMETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
VINYL CHLORIDE	11.00 U	12.00 U	U	12.00 U	11.00 U
CHLOROETHANE	11.00 U	12.00 U	UJ	12.00 U	11.00 U
METHYLENE CHLORIDE	11.00 U	12.00 U	U	12.00 U	11.00 U
ACETONE	11.00 U	12.00 U	UJ	12.00 U	11.00 U
CARBON DISULFIDE	11.00 U	12.00 U	U	12.00 U	11.00 U
1,1-DICHLOROETHENE	11.00 U	12.00 U	U	12.00 U	11.00 U
1,1-DICHLOROETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
TOTAL 1,2-DICHLOROETHENE	11.00 U	12.00 U	U	12.00 U	11.00 U
CHLOROFORM	11.00 U	12.00 U	U	12.00 U	11.00 U
1,2-DICHLOROETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
METHYL ETHYL KETONE (2-BU	11.00 U	12.00 U	UJ	12.00 U	11.00 U
1,1,1-TRICHLOROETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
CARBON TETRACHLORIDE	11.00 U	12.00 U	U	12.00 U	11.00 U
BROMODICHLOROMETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
1,2-DICHLOROPROPANE	11.00 U	12.00 U	U	12.00 U	11.00 U
CIS-1,3-DICHLOROPROPENE	11.00 U	12.00 U	U	12.00 U	11.00 U
TRICHLOROETHYLENE (TCE)	11.00 U	12.00 U	U	12.00 U	11.00 U
DIBROMOCHLOROMETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
1,1,2-TRICHLOROETHANE	11.00 U	12.00 U	U	12.00 U	11.00 U
BENZENE	11.00 U	12.00 U	U	12.00 U	11.00 U
TRANS-1,3-DICHLOROPROPEN	11.00 U	12.00 U	U	12.00 U	11.00 U
BROMOFORM	11.00 U	12.00 U	U	12.00 U	11.00 U
METHYL ISOBUTYL KETONE (4	11.00 U	12.00 U	U	12.00 U	11.00 U

Volatiles, Soil

MMR LABORATORY DATA

EPA NO	B05CBA	B05DBA	B05DBD	B05EBA	B05FBA					
OGDEN ID	B05CBAa	B05DBAa	B05DBD	B05EBAa	B05FBAa					
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98	7/2/98					
Operational Unit	AREA 05 1.5-2'									
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL	REV QUAL	
OM31V (UG/KG) Continued	2-HEXANONE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	TETRACHLOROETHYLENE(PCE)	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	TOLUENE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	CHLOROBENZENE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	ETHYLBENZENE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	STYRENE	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D
	XYLENES, TOTAL	11.00 U	U	U	12.00 U	U	U	11.00 U	R	D

OES Technical Information Systems RGEN Ver. 2q

# Volatiles, Soil

## MMR LABORATORY DATA

EPA NO	B05FEARE	B05HBA	B05IBA	B05JBA	B05KBA			
OGDEN ID	B05FBAa	B05HBa	B05IBa	B05JBAa	B05KBa			
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98	7/2/98			
Operational Unit	?	AREA 05 1.5-2'						
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31V (UG/KG)								
CHLOROMETHANE	11.00 U	U		11.00 U	U		12.00 U	U
BROMOMETHANE	11.00 U	U		11.00 U	U		12.00 U	U
VINYL CHLORIDE	11.00 U	U		11.00 U	U		12.00 U	U
CHLOROETHANE	11.00 U	U		11.00 U	UJ	C	12.00 U	UJ C
METHYLENE CHLORIDE	11.00 U	U		11.00 U	U		12.00 U	U
ACETONE	11.00 U	U		11.00 U	UJ	C	12.00 U	UJ C
CARBON DISULFIDE	11.00 U	U		11.00 U	U		12.00 U	U
1,1-DICHLOROETHENE	11.00 U	U		11.00 U	U		12.00 U	U
1,1-DICHLOROETHANE	11.00 U	U		11.00 U	U		12.00 U	U
TOTAL 1,2-DICHLOROETHENE	11.00 U	U		11.00 U	U		12.00 U	U
CHLOROFORM	11.00 U	U		11.00 U	U		12.00 U	U
1,2-DICHLOROETHANE	11.00 U	U		11.00 U	U		12.00 U	U
METHYL ETHYL KETONE (2-BU	11.00 U	U		11.00 U	UJ	C	12.00 U	UJ C
1,1,1-TRICHLOROETHANE	11.00 U	U		11.00 U	U		12.00 U	U
CARBON TETRACHLORIDE	11.00 U	U		11.00 U	U		12.00 U	U
BROMODICHLOROMETHANE	11.00 U	U		11.00 U	U		12.00 U	U
1,2-DICHLOROPROPANE	11.00 U	U		11.00 U	U		12.00 U	U
CIS-1,3-DICHLOROPROPENE	11.00 U	U		11.00 U	U		12.00 U	U
TRICHLOROETHYLENE (TCE)	11.00 U	U		11.00 U	U		12.00 U	U
DIBROMOCHLOROMETHANE	11.00 U	U		11.00 U	U		12.00 U	U
1,1,2-TRICHLOROETHANE	11.00 U	U		11.00 U	U		12.00 U	U
BENZENE	11.00 U	U		11.00 U	U		12.00 U	U
TRANS-1,3-DICHLOROPROPEN	11.00 U	U		11.00 U	U		12.00 U	U
BROMOFORM	11.00 U	U		11.00 U	U		12.00 U	U
METHYL ISOBUTYL KETONE (4	11.00 U	U		11.00 U	U		12.00 U	U

## MMR LABORATORY DATA

EPA NO	B05FBARE	B05HBA	B05JBA	B05KBA					
OGDEN ID	B05FBAAa	B05HBAAa	B05JBAAa	B05KBAAa					
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98					
Operational Unit	?	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'					
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE
OM31V (UG/KG) Continued									
2-HEXANONE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
TETRACHLOROETHYLENE(PCE)	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
TOLUENE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
CHLOROBENZENE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
ETHYLBENZENE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
STYRENE	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U
XYLENES, TOTAL	11.00 U	U	U	11.00 U	U	U	12.00 U	U	U

OSES Technical Information Systems ROEN Ver. 2g

# Volatiles, Soil

Thu Oct 08 08:45 1998  
Page 7

## MMR LABORATORY DATA

EPA NO	B05LBA	B05MBA	B05NBA	B05PBA	?							
OGDEN ID	B05LBAa	B05MBAa	B05NBAa	B05PBAa								
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98								
Operational Unit	AREA 05 1.5-2'											
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
OM31V (UG/KG)	CHLOROMETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	BROMOMETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	VINYL CHLORIDE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	CHLOROETHANE	11.00 U	UJ C	UJ C	C	10.00 U	UJ C	UJ C	11.00 U	UJ C	UJ C	C
	METHYLENE CHLORIDE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	ACETONE	11.00 U	UJ C	UJ C	C	10.00 U	UJ C	UJ C	11.00 U	UJ C	UJ C	C
	CARBON DISULFIDE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	1,1-DICHLOROETHENE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	1,1-DICHLOROETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	TOTAL 1,2-DICHLOROETHENE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	CHLOROFORM	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	1,2-DICHLOROETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	METHYL ETHYL KETONE (2-BU	11.00 U	UJ C	UJ C	C	10.00 U	UJ C	UJ C	11.00 U	UJ C	UJ C	C
	1,1,1-TRICHLOROETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	CARBON TETRACHLORIDE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
	BROMODICHLOROMETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U
1,2-DICHLOROPROPANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
CIS-1,3-DICHLOROPROPENE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
TRICHLOROETHYLENE (TCE)	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
DIBROMOCHLOROMETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
1,1,2-TRICHLOROETHANE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
BENZENE	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
TRANS-1,3-DICHLOROPROPEN	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
BROMOFORM	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	
METHYL ISOBUTYL KETONE (4	11.00 U	U	U	U	10.00 U	U	U	11.00 U	U	U	U	U

## MMR LABORATORY DATA

EPA NO	B05LBA	B05MBA	B05NBA	B05PBA	?
OGDEN ID	B05LBAa	B05MBAa	B05NBAa	B05PBAa	
Date Sampled	7/2/98	7/2/98	7/2/98	7/2/98	
Operational Unit	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	AREA 05 1.5-2'	
Method Analyte	ANALYTICAL RESULT	LAB QUAL CODE	REV QUAL CODE	ANALYTICAL RESULT	LAB QUAL CODE
OM31V (UG/KG) Continued					
2-HEXANONE	11.00 U	U	U	11.00 U	U
TETRACHLOROETHYLENE(PCE)	11.00 U	U	U	11.00 U	U
1,1,2,2-TETRACHLOROETHANE	11.00 U	U	U	11.00 U	U
TOLUENE	11.00 U	U	U	11.00 U	U
CHLOROBENZENE	11.00 U	U	U	11.00 U	U
ETHYLBENZENE	11.00 U	U	U	11.00 U	U
STYRENE	11.00 U	U	U	11.00 U	U
XYLENES, TOTAL	11.00 U	U	U	11.00 U	U

OEES Technical Information Systems ROEN Ver. 2q

Fri Oct 09 08:14 1998  
Page 1

[illegible]

## MMR LABORATORY DATA

[illegible]

## Explosives, Water

## MMR LABORATORY DATA

EPA NO	W19D2A	W19S2A	W19S2ADL	W19S2D	W19S2DDL
OGDEN ID	W19D2A	W19S2A	W19S2A	W19S2D	W19S2D
Date Sampled	7/17/98	7/20/98	7/20/98	7/20/98	7/20/98
Operational Unit	AREA 12 243-248'	AREA 12 0-10'	?	AREA 12 0-10'	?
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	ANALYTICAL RESULT	LAB QUAL
8330N (UG/L)					
OCTAHYDRO-1,3,5,7-TETRANIT	0.25 U	E	R	90.00 E	R
HEXAHYDRO-1,3,5-TRINITRO-1,	0.25 U	E	R	250.00 E	R
1,3,5-TRINITROBENZENE	0.25 U	U	U	0.25 U	U
1,3-DINITROBENZENE	0.25 U	U	U	0.25 U	U
TETRYL	0.25 U	U	U	0.25 U	U
NITROBENZENE	0.25 U	U	U	0.25 U	U
2,4,6-TRINITROTOLUENE	0.25 U	U	R	15.00	R
4-AMINO-2,6-DINITROTOLUENE	0.25 U	U	R	7.40	R
2-AMINO-4,6-DINITROTOLUENE	0.25 U	U	U	3.40	U
2,6-DINITROTOLUENE	0.25 U	U	U	0.25 U	U
2,4-DINITROTOLUENE	0.25 U	U	J	0.30	J
PICRIC ACID	0.25 U	UJ	UJ	0.25 U	UJ
2-NITROTOLUENE	0.25 U	U	U	0.25 U	U
4-NITROTOLUENE	0.25 U	U	U	0.25 U	U
3-NITROTOLUENE	0.25 U	U	U	0.25 U	U
2,6-DIAMINO-4-NITROTOLUENE	0.50 U	U	U	0.50 U	U
2,4-DIAMINO-6-NITROTOLUENE	0.25 U	UJ	UJ	0.25 U	UJ
PENTAERYTHRITOL TETRANIT	10.00 U	U	U	10.00 U	U
NITROGLYCERIN	5.00 U	U	U	5.00 U	U



# Explosives, Water

## MMR LABORATORY DATA

EPA NO	W32DDA	W32MMA	W32SSA	W33DDA	W33MMA			
OGDEN ID	W32DDA	W32MMA	W32SSA	W33DDA	W33MMA			
Date Sampled	7/16/98	7/16/98	7/22/98	7/21/98	7/20/98			
Operational Unit	AREA 0 181.5-186.5	AREA 0 161.5-171.5	AREA 0 146.5-151.5	AREA 0 181.5-186.5	AREA 0 161.5-171.5			
Method Analyte	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE	ANALYTICAL RESULT	LAB QUAL	REV QUAL	QUAL CODE
8330N (UG/L) OCTAHYDRO-1,3,5,7-TETRANIT HEXAHYDRO-1,3,5-TRINITRO-1, 1,3,5-TRINITROBENZENE 1,3-DINITROBENZENE TETRYL NITROBENZENE 2,4,6-TRINITROTOLUENE 4-AMINO-2,6-DINITROTOLUENE 2-AMINO-4,6-DINITROTOLUENE 2,6-DINITROTOLUENE 2,4-DINITROTOLUENE PICRIC ACID 2-NITROTOLUENE 4-NITROTOLUENE 3-NITROTOLUENE 2,6-DIAMINO-4-NITROTOLUENE 2,4-DIAMINO-6-NITROTOLUENE PENTAERYTHRITOL TETRANIT NITROGLYCERIN								
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	UJ	UJ	*4	0.25 U	R	UJ	*4
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.25 U	U	U		0.25 U	U	U	
	0.50 U	U	U		0.50 U	U	U	
	0.25 U	UJ	UJ	C	0.25 U	UJ	UJ	C
	10.00 U	U	U		10.00 U	U	U	
	5.00 U	U	U		5.00 U	U	U	





JONATHAN BOURNE PUBLIC LIBRARY



0 0113 0088095 9

ADO 2056

**For Reference**

**Not to be taken from this room**

19 Sandwich Road  
Bourne, MA 02532

Jonathan Bourne Public Library

19 Sandwich Rd

Bourne, MA 02532

